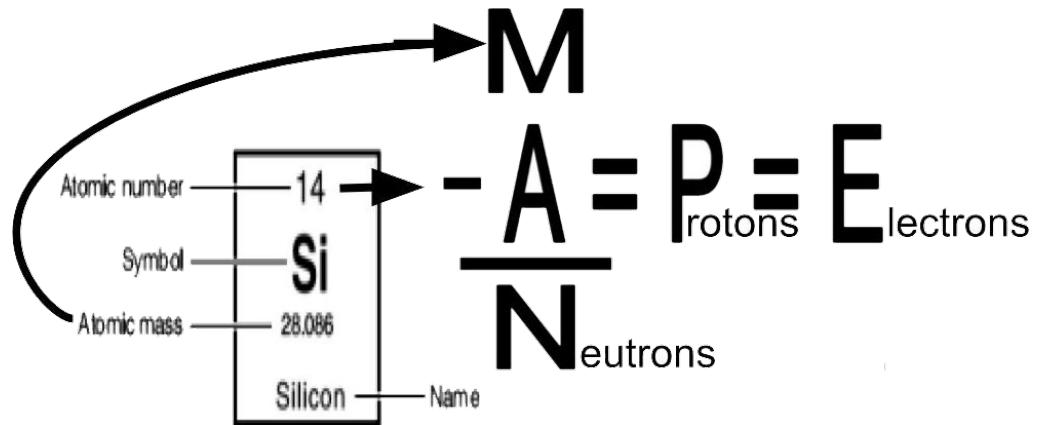


A. P. E. M. A. N.

Atomic # = Protons = Electrons

Mass # - Atomic # = Neutrons

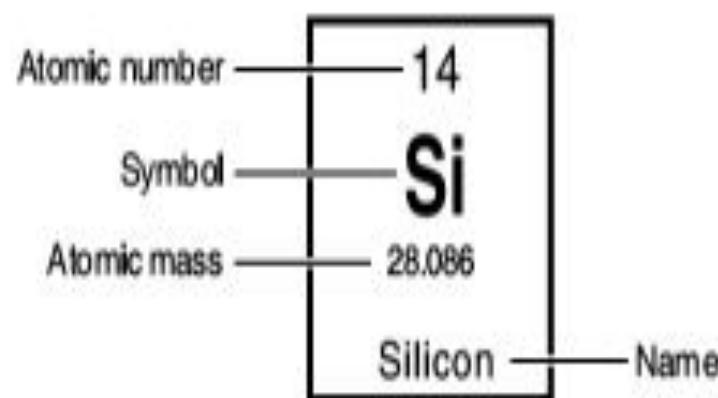


Locate the “key” on periodic table

STAAR GRADE 8 SCIENCE REFERENCE MATERIALS

PERIODIC TABLE OF THE ELEMENTS

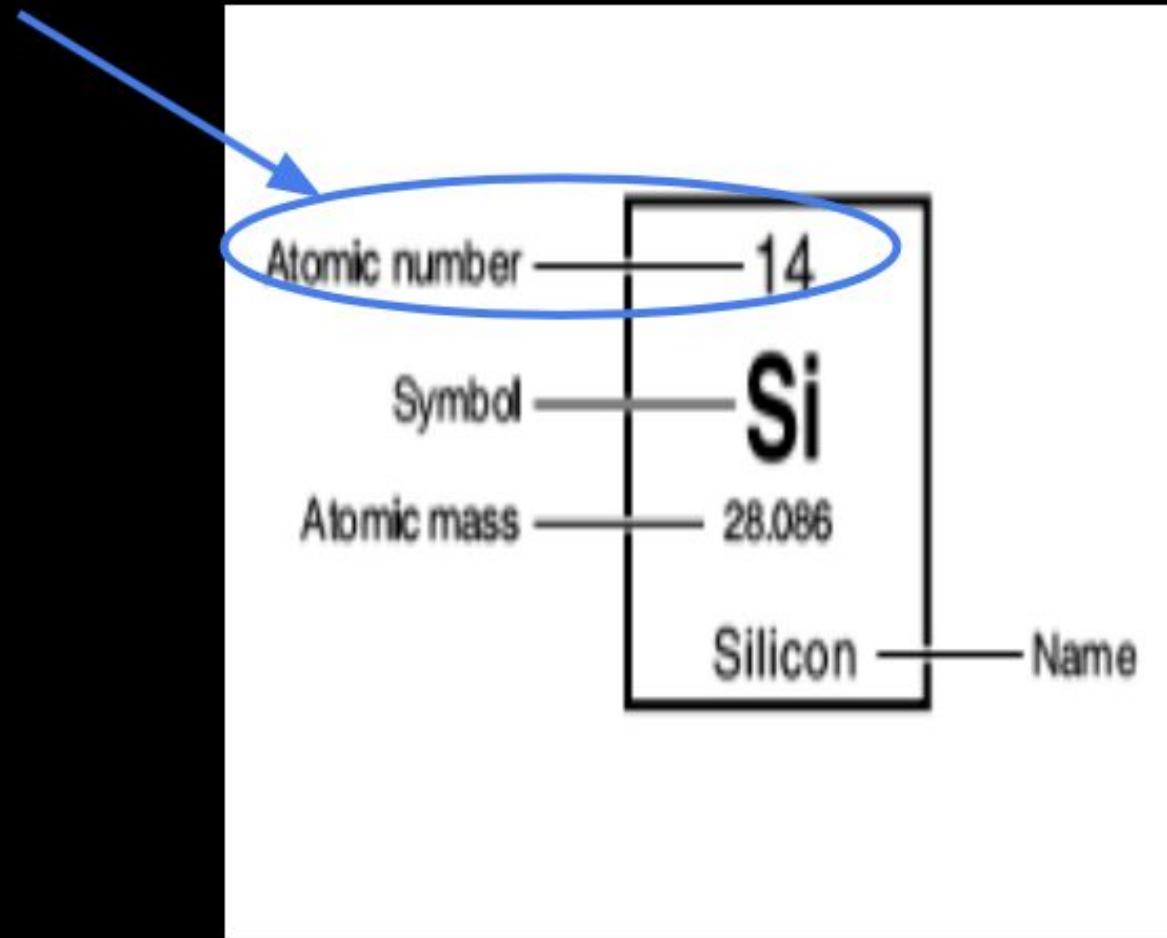
	1 1A	2 2A	3 3A	4 4A	5 5A	6 6A	7 7A	18 18A
1 H	1.008 Hydrogen	2 He	3 Li	4 Be	5 B	6 C	7 N	18 He
2 Li	6.941 Alkaline metal	3 Be	4 Sc	5 Ti	6 V	7 Cr	18 Ne	
3 Na	22.990 Alkaline metal	4 Mg	5 Al	6 Si	7 P	18 Ar		
4 K	39.098 Alkaline metal	5 Ca	6 Sc	7 Ti	18 Cl	19 F		
5 Rb	84.967 Alkaline metal	6 Sr	7 Y	18 Zr	19 Al	20 Ne		
6 Cs	132.905 Alkaline metal	7 Ba	8 Lu	9 Hf	10 Ta	11 W		
7 Fr	223.020 Alkaline metal	8 Ra	9 Rf	10 Db	11 Sg	12 Bh		
		9 Lanthanide Series	10 Actinide Series	11 Ce	12 Pr	13 Nd	14 Pm	15 Sm
		16 Ce	17 Pr	18 Nd	19 Pm	20 Sm	21 Eu	22 Gd
		23 Dy	24 Ho	25 Tb	26 Dy	27 Ho	28 Er	29 Tm
		30 Lu	31 Th	32 Pa	33 U	34 Np	35 Pu	36 Am
		37 Ac	38 Rf	39 Nh	40 Fm	41 Md	42 No	43 Nh



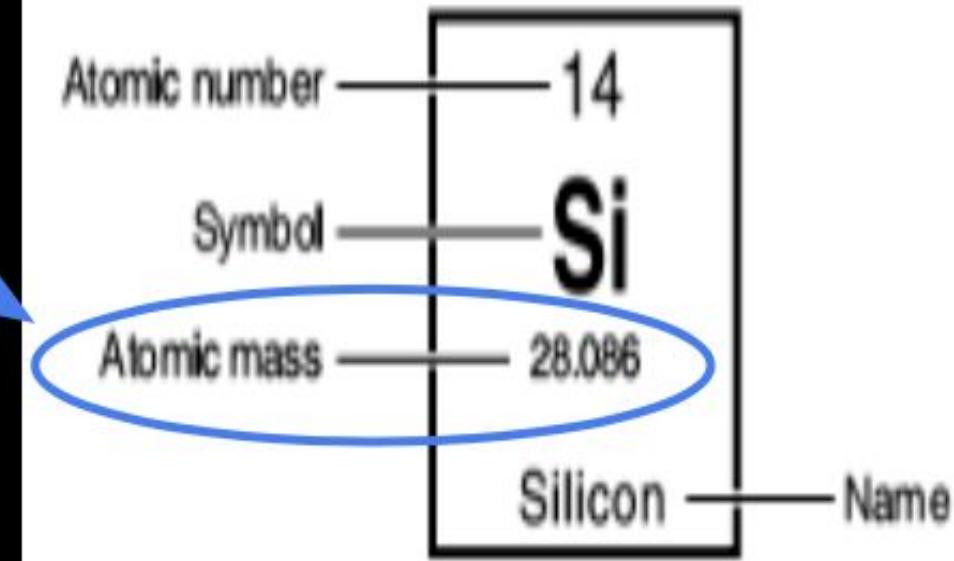
Lanthanide Series

Actinide Series

Atomic#



Mass



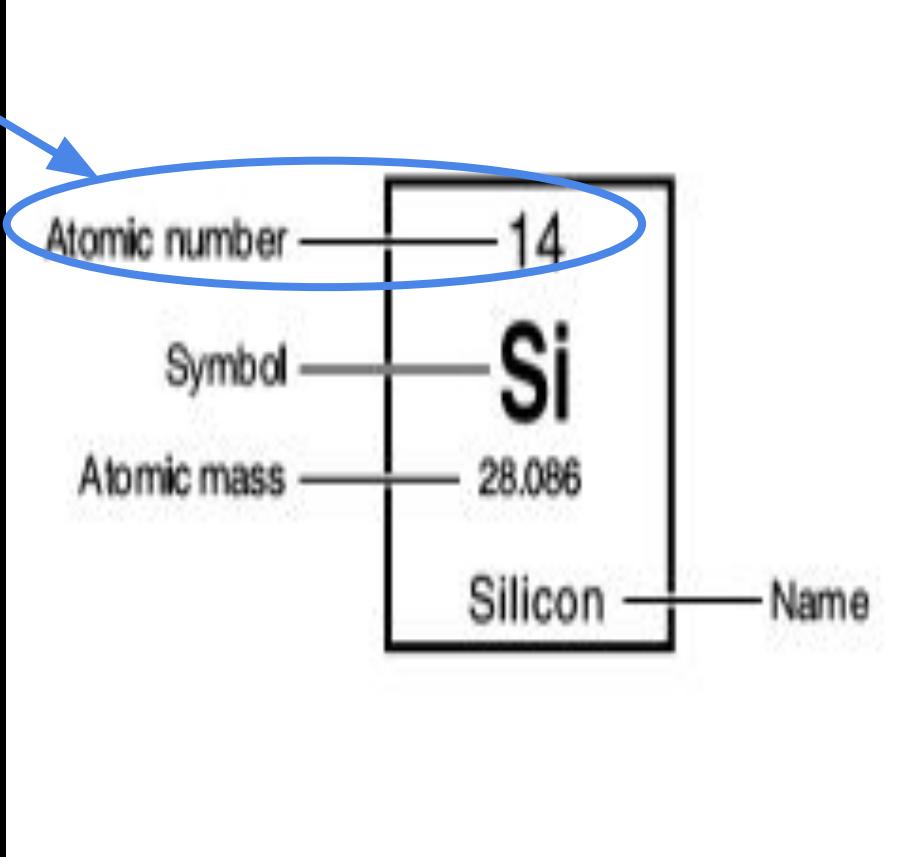
Atomic#

=

#Protons

=

#Electrons



M

-A=P=E
N

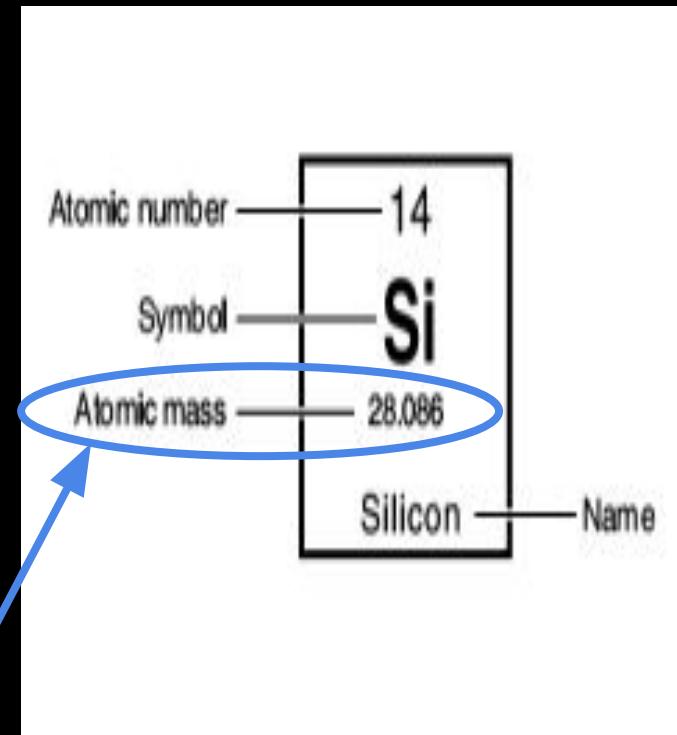
Protons(+)

+

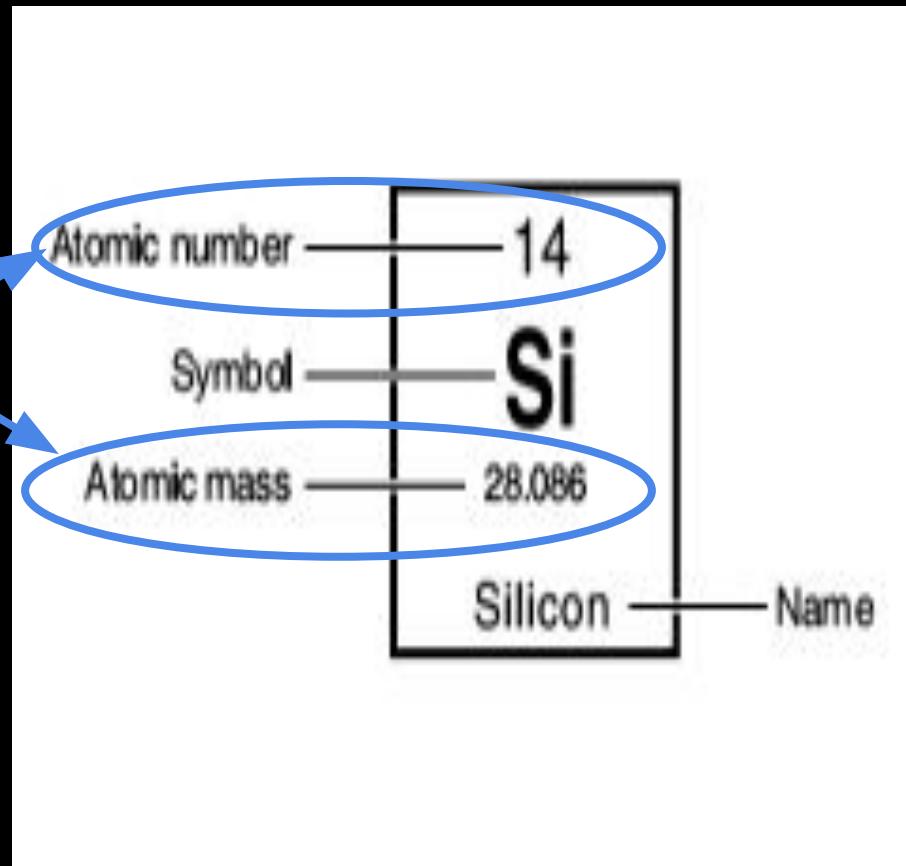


Neutrons(0)

=Atomic Mass



Mass
-Atomic#



#Neutrons

M

-A = P = E

N

N

If the number in the tenths place
(behind the decimal) is **5 or greater**,
round up!

$$22.\underline{\underline{3}}02 = ?$$

$$50.\underline{\underline{6}}84 = ?$$

$$10.\underline{\underline{5}}13 = ?$$

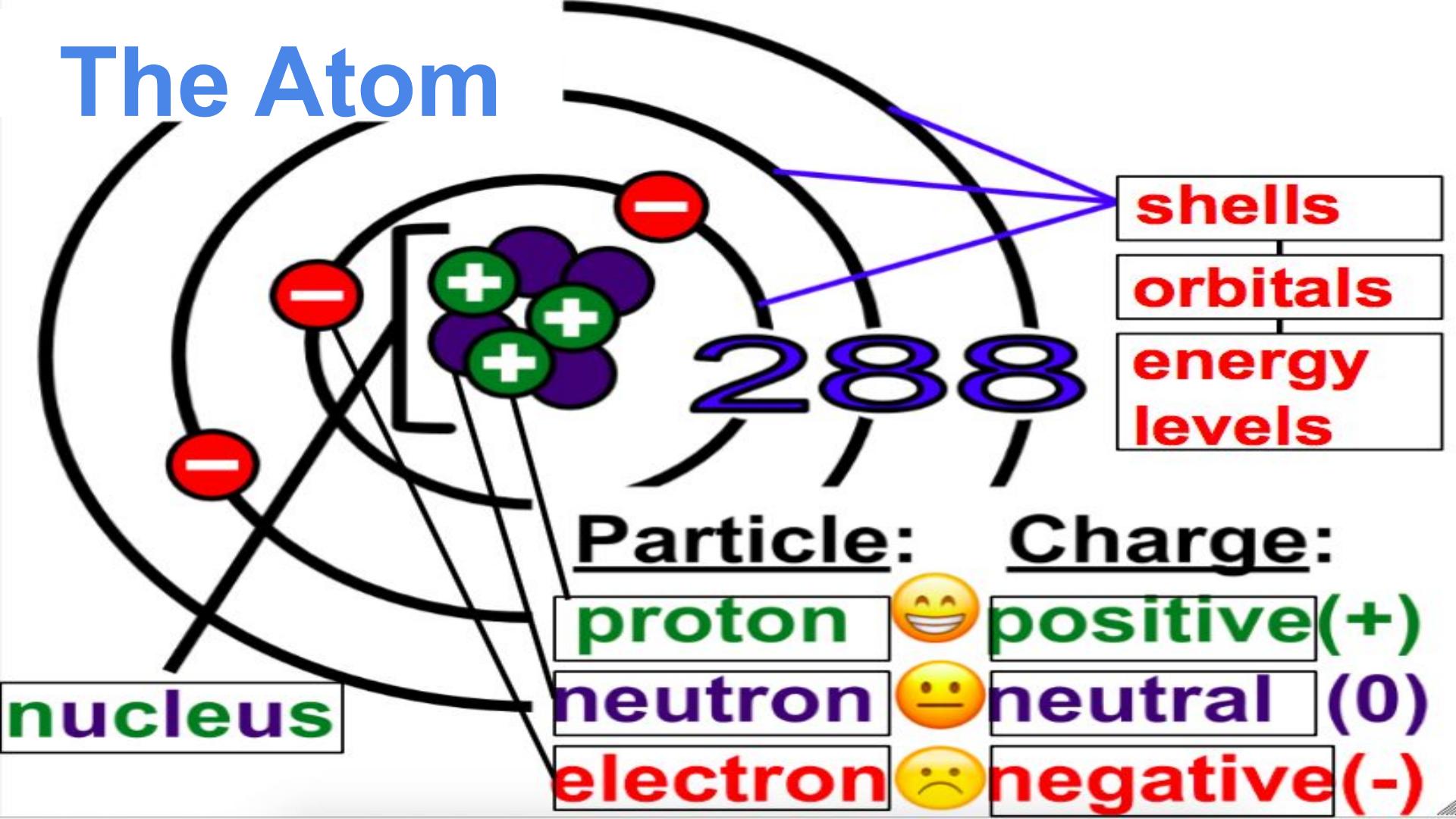
$$11.\underline{\underline{2}}10 = ?$$

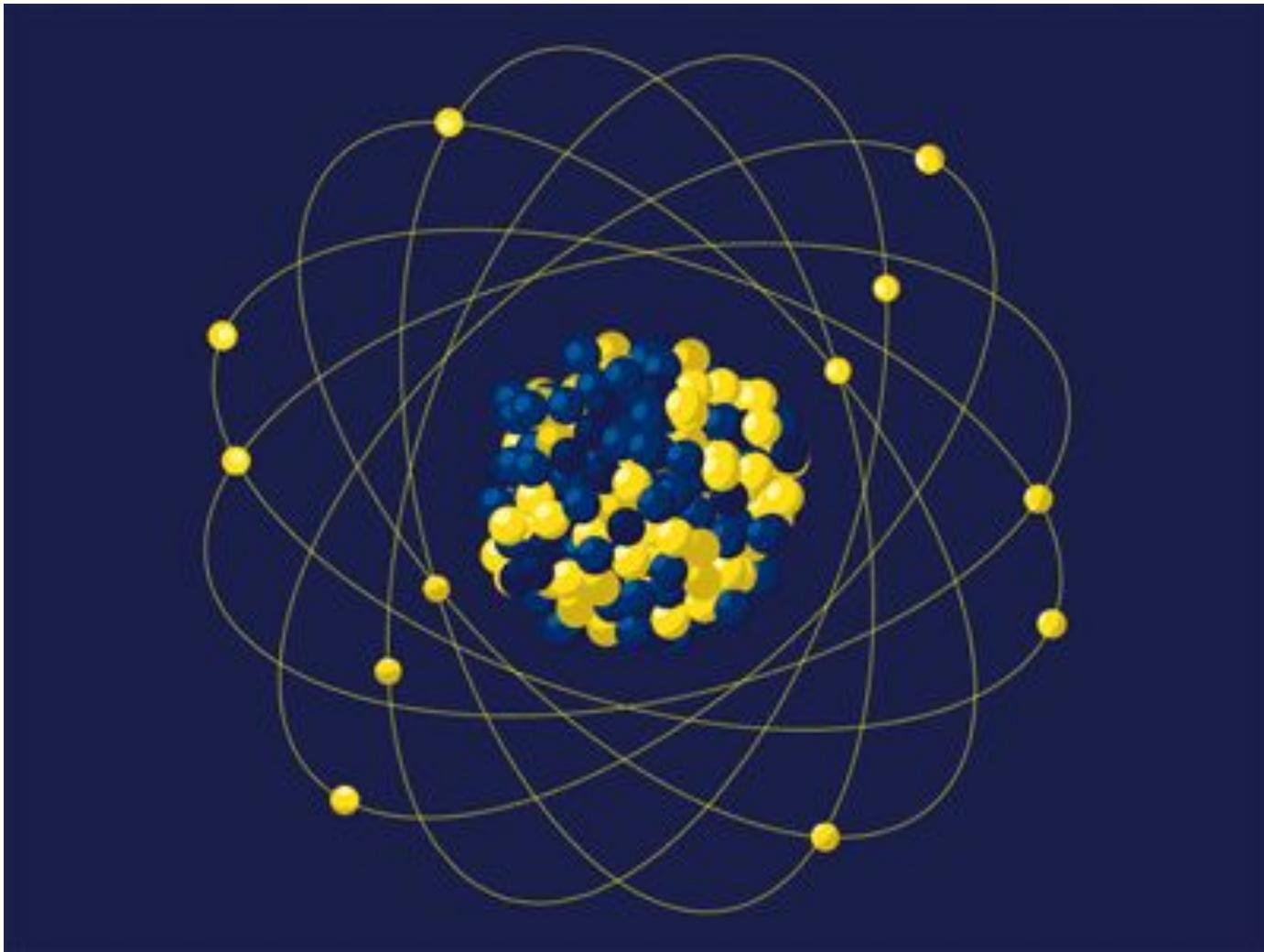
Electron Cloud



-made of levels known as shells, orbitals, or energy levels

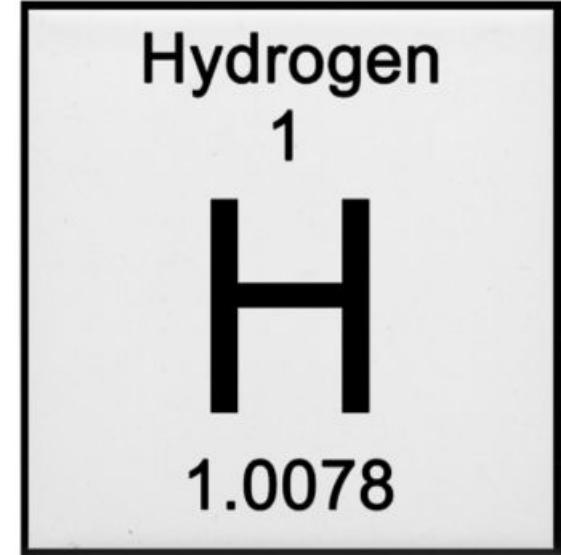
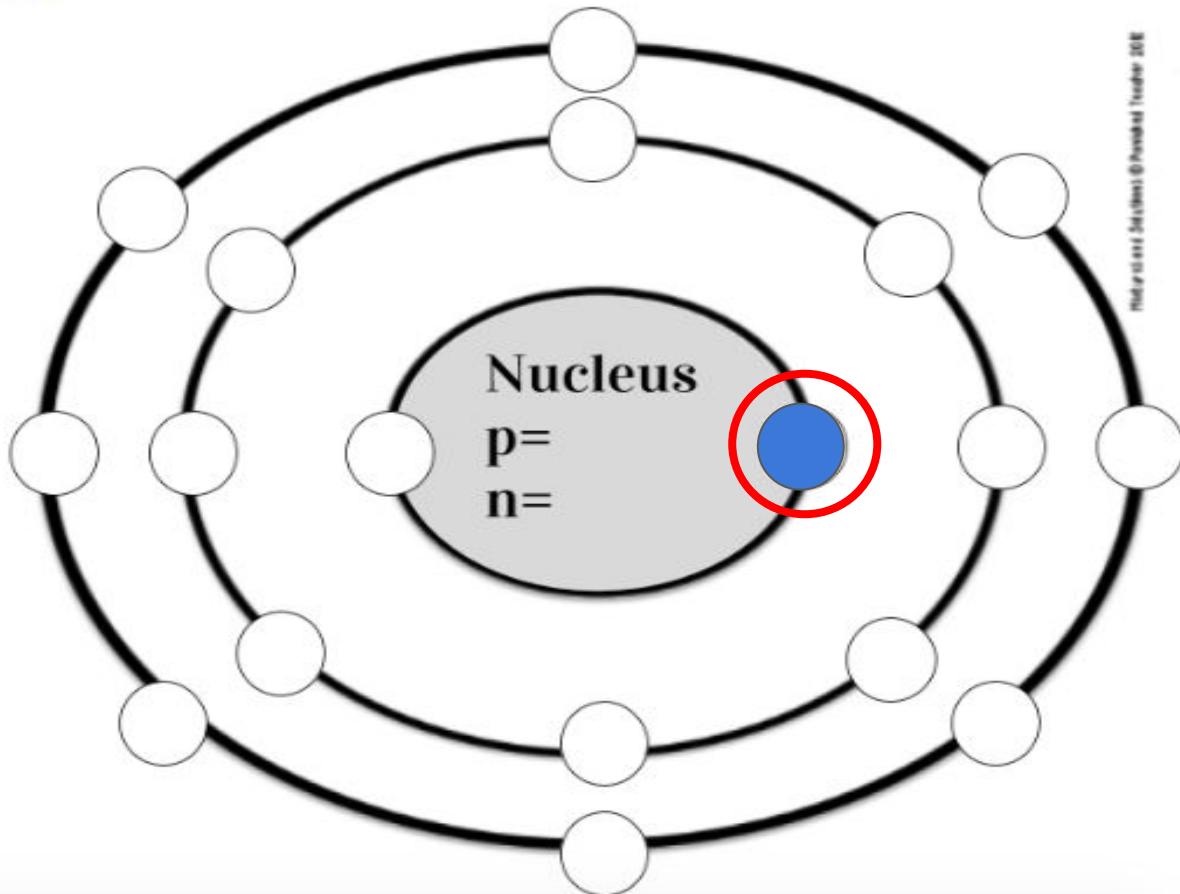
The Atom





The Atom

Element: _____



Atomic #:

Atomic Mass:

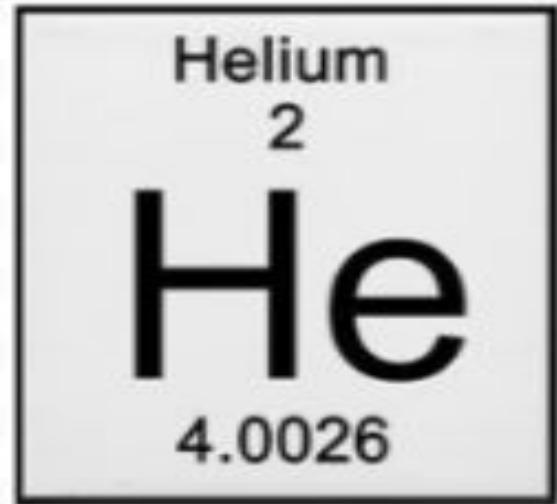
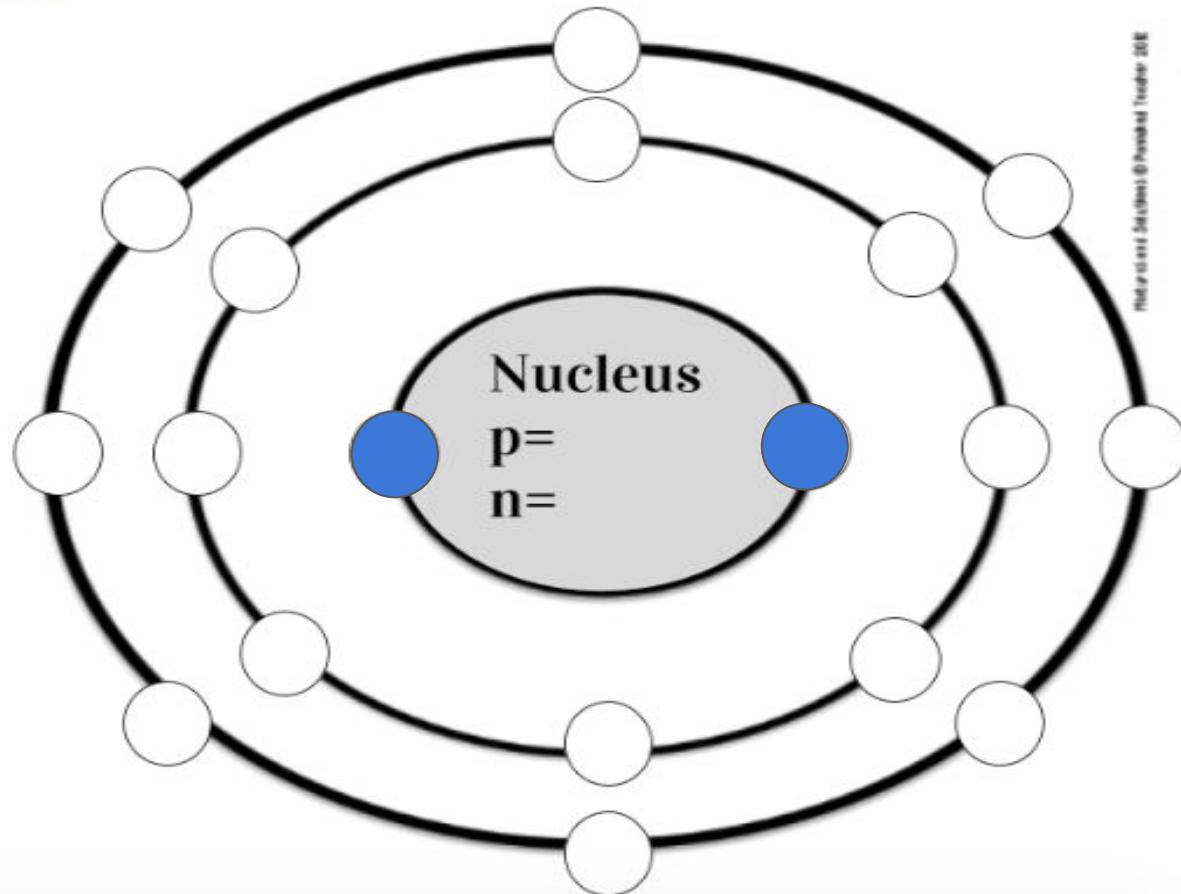
Protons (+)

Electrons (-)

Neutrons (0)

The Atom

Element: _____

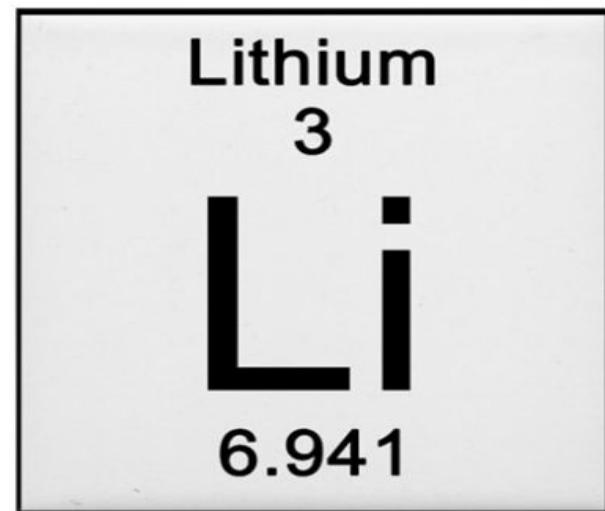
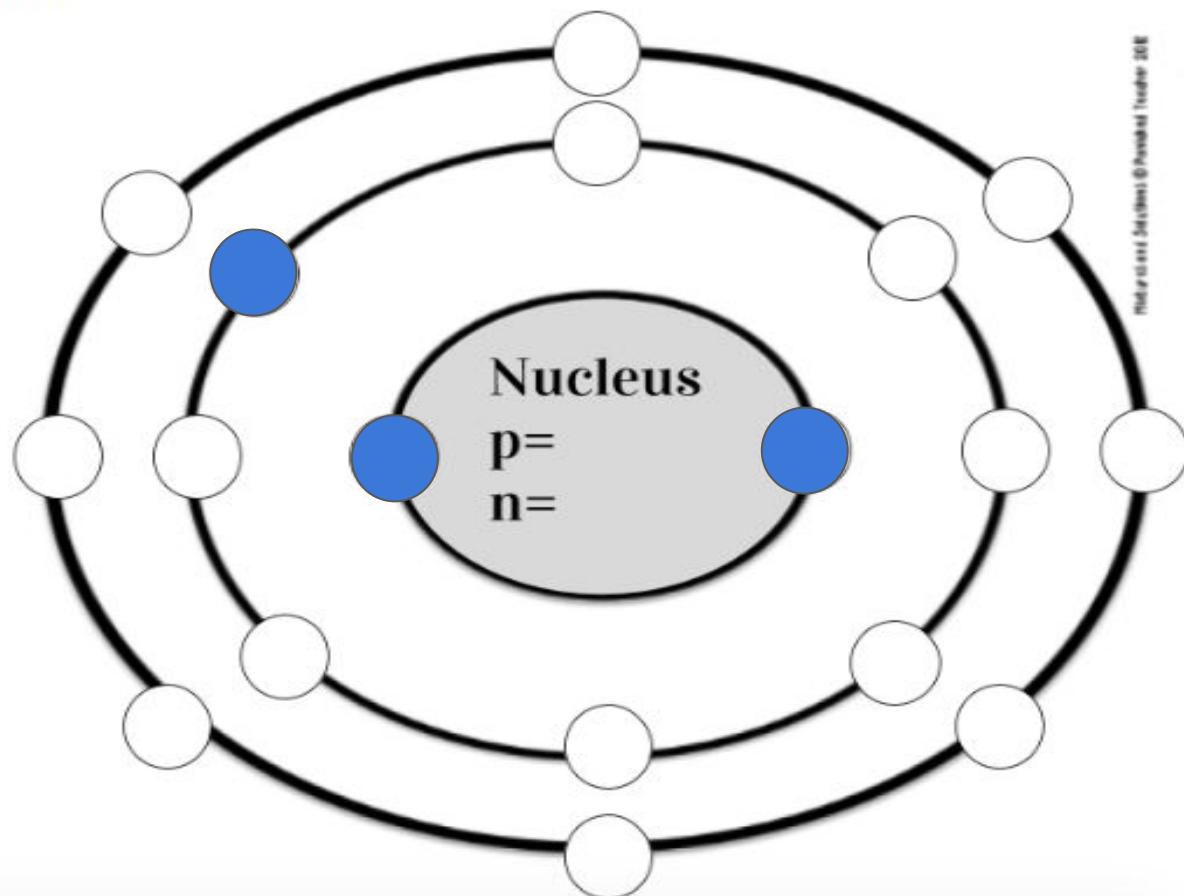


Atomic #:
Atomic Mass:

# Protons (+)	
# Electrons (-)	
# Neutrons (0)	

The Atom

Element: _____

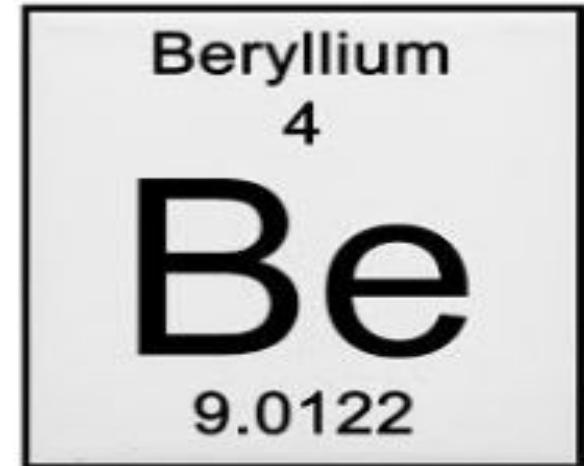
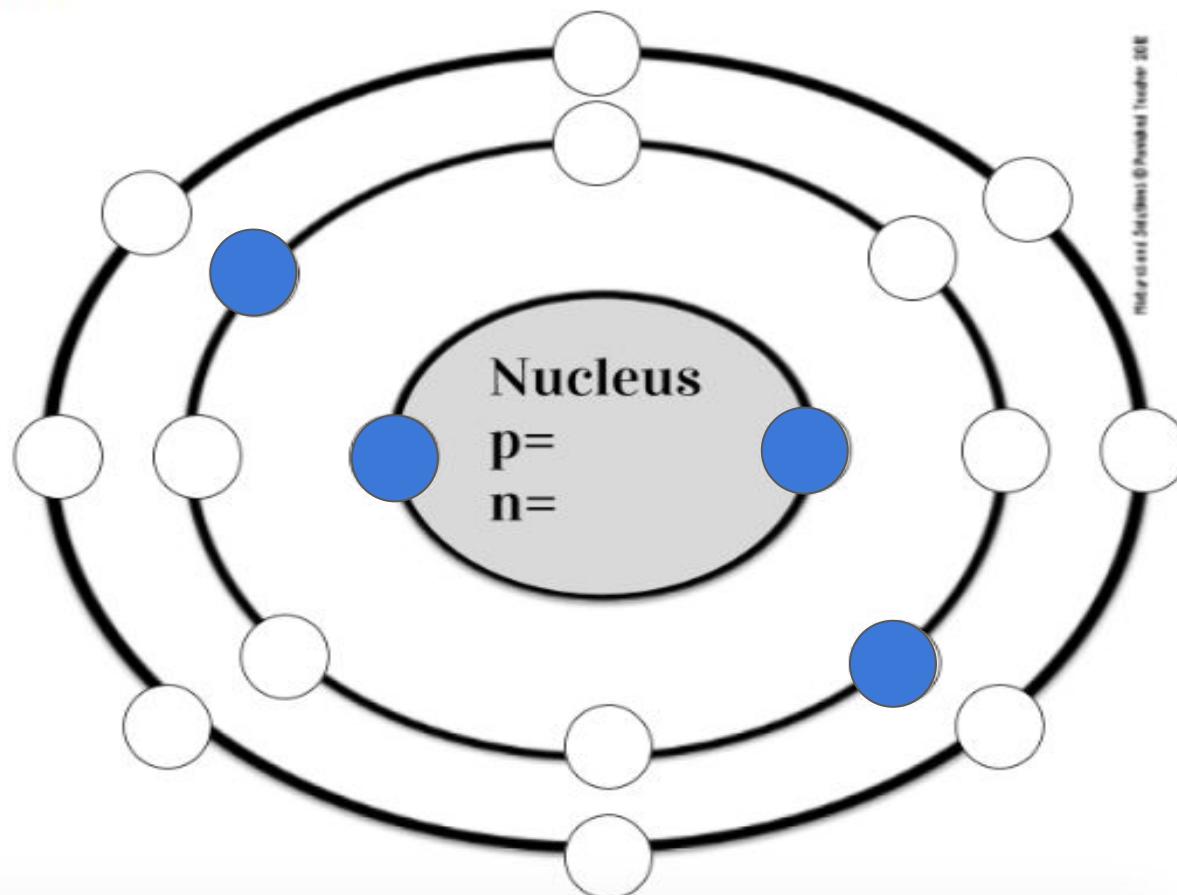


Atomic #:
Atomic Mass:

# Protons (+)	
# Electrons (-)	
# Neutrons (0)	

The Atom

Element: _____



Atomic #:
Atomic Mass:

# Protons (+)	
# Electrons (-)	
# Neutrons (0)	

The Atom

Element: _____

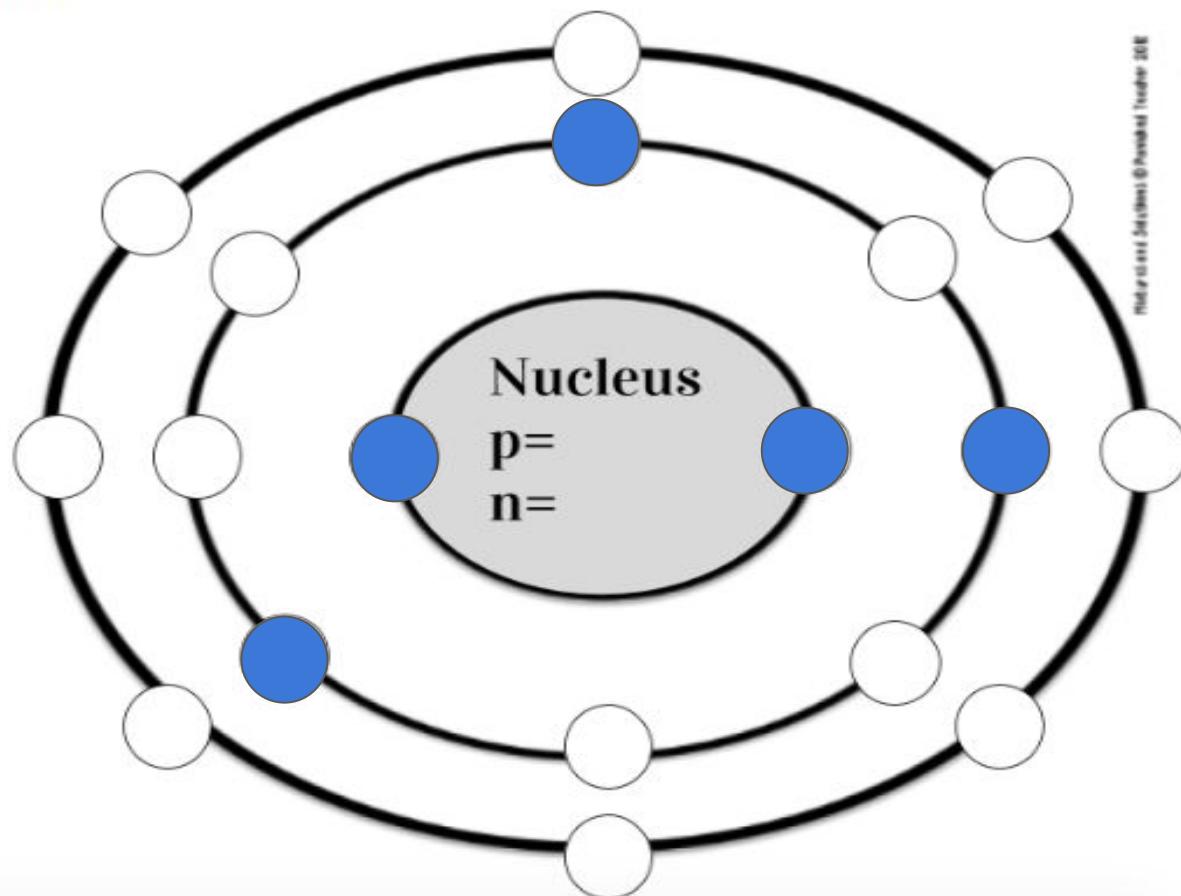
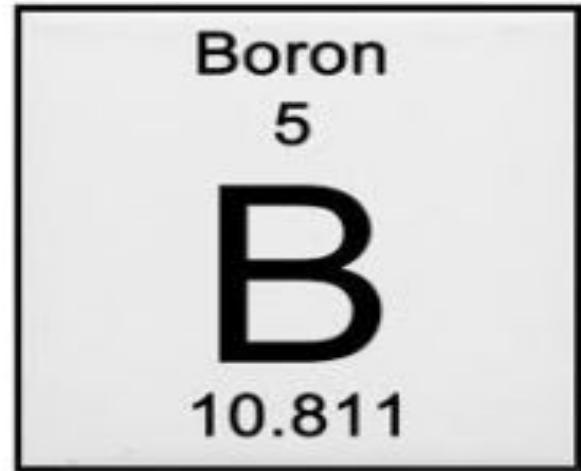


Illustration by Thomson © Prentice Hall Inc.

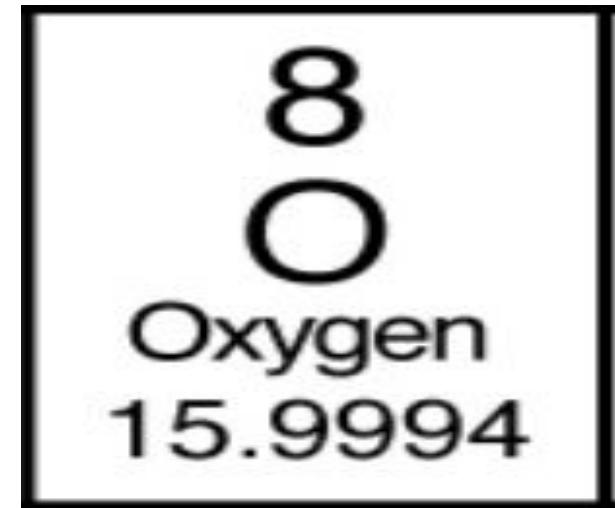
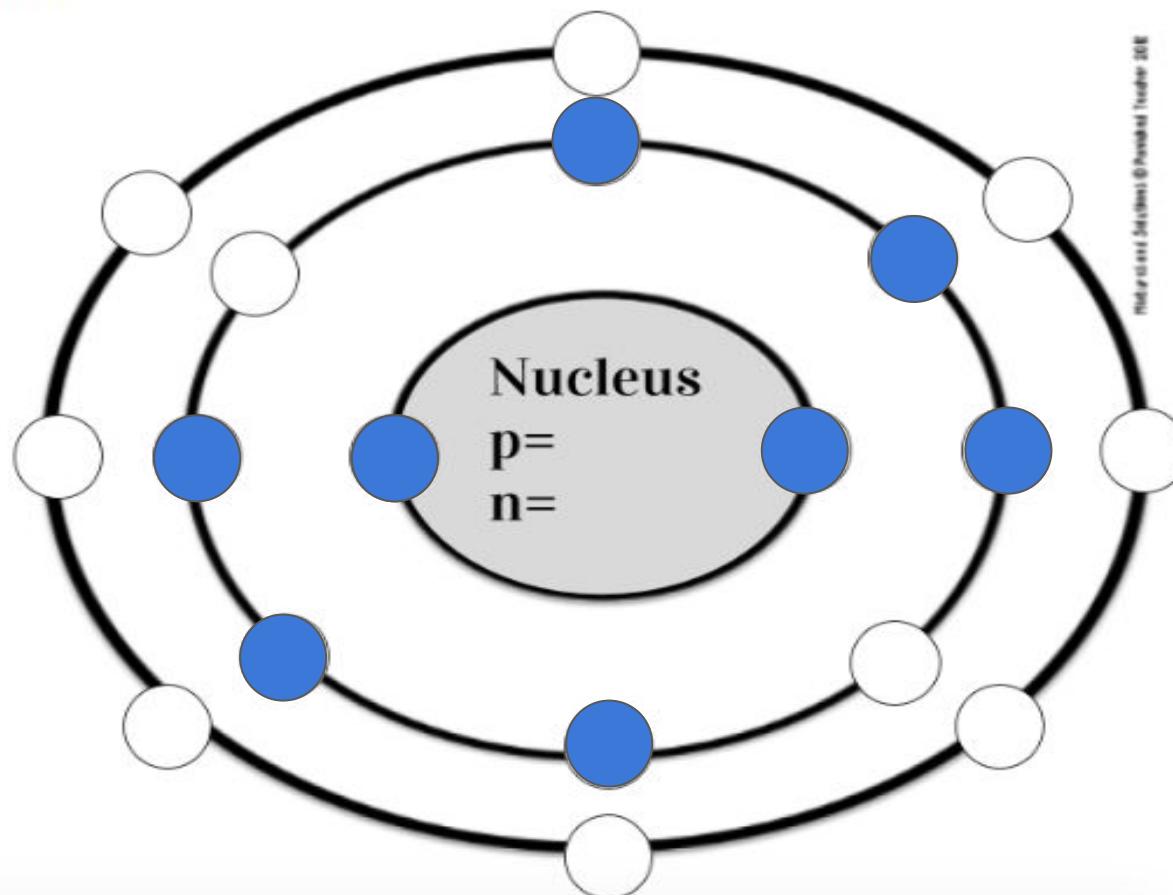


Atomic #:
Atomic Mass:

# Protons (+)	
# Electrons (-)	
# Neutrons (0)	

The Atom

Element: _____



Atomic #:

Atomic Mass:

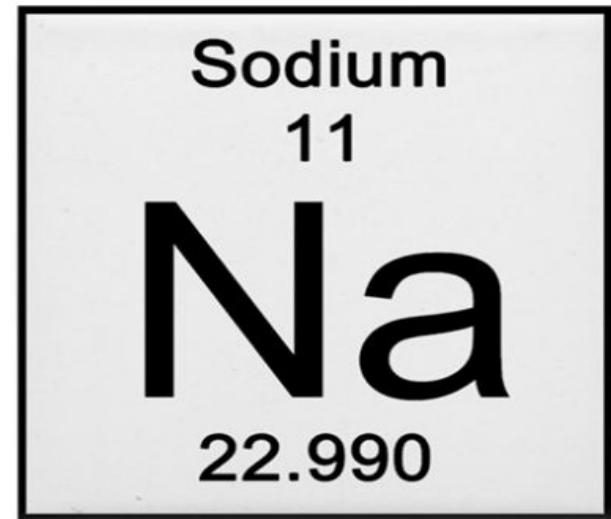
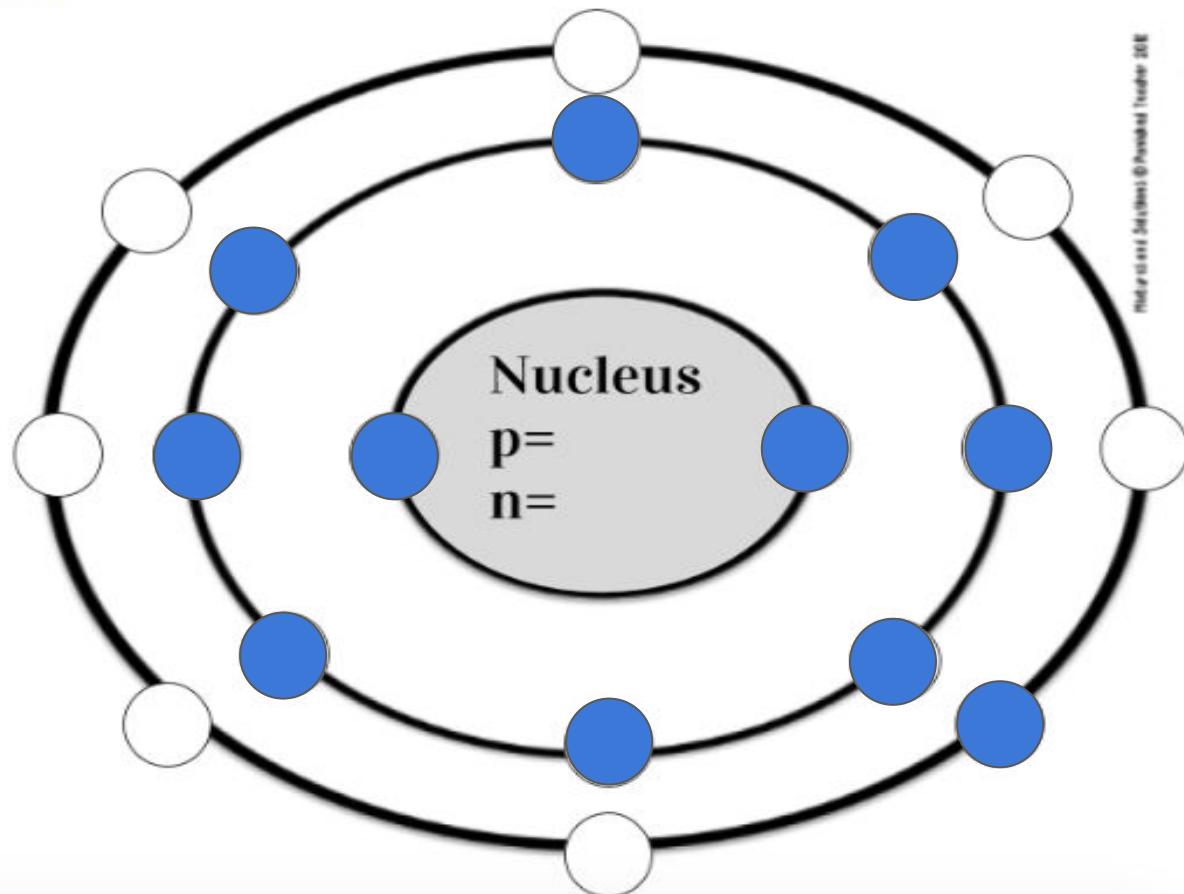
Protons (+)

Electrons (-)

Neutrons (0)

The Atom

Element: _____



Atomic #:

Atomic Mass:

Protons (+)

Electrons (-)

Neutrons (0)